

**ABSTRACT**

A control and safety system for a gas oven, said gas oven comprising a gas burner and said system comprising oven  
5 operating means for a user to regulate the operation of said oven; flame sensor means for detecting the presence of a flame in the burner; a gas valve for opening or closing the supply of gas to the burner; an ignition module for igniting the flame in the burner; an  
10 electronic controller which receives a first signal from the operating means representative of the user regulation, and a second signal from the flame sensor means representative of the existence of a flame, said electronic controller acting, in accordance with said  
15 first and second signals, on the gas valve and on the ignition module; and gas flow regulating means that regulate the gas outflow to the burner in accordance with the temperature in the oven and a selected temperature.